

GSFC OPERATIONS CONTROL CENTER
GODDARD SPACE FLIGHT CENTER
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

VOLUME 6, NO. 3

FEBRUARY 15, 1966

SATELLITE SITUATION REPORT

THE FOLLOWING REPORT REFLECTS DATA COMPUTED AND COMPILED
BY THE GODDARD SPACE FLIGHT CENTER, NORAD, AND THE SMITHSONIAN
ASTROPHYSICAL OBSERVATORY AS OF 1200Z ON FEBRUARY 15, 1966.

OBJECTS IN ORBIT

<u>OBJECT</u>	<u>CODE NAME</u>	<u>CATALOGUE NUMBER</u>	<u>SOURCE</u>	<u>LAUNCH</u>	<u>PERIOD MINUTES</u>	<u>INCLI- NATION</u>	<u>APOGEE Km.</u>	<u>PERIGEE Km.</u>	<u>TRANSMITTING FREQ. (MC/S)</u>
1958 LAUNCHES									
ALPHA 1	EXPLORER 1	004	US	1 FEB	103.8	33.19	1534	341	
BETA 1	ROCKET BODY	016	US	17 MAR	138.4	34.26	4326	641	
BETA 2	VANGUARD 1	005	US	17 MAR	134.0	34.22	3938	650	
BETA 3		1576	US	17 MAR	132.7	34.20	3826	651	
1959 LAUNCHES									
ALPHA 1	VANGUARD 2	011	US	17 FEB	125.4	32.87	3283	557	
ALPHA 2	ROCKET BODY	012	US	17 FEB	129.7	32.90	3657	555	
ETA 1	VANGUARD 3	020	US	18 SEP	129.8	33.34	3713	513	
MU 1	LUNIK 1	112	USSR	2 JAN	HELIOCENTRIC ORBIT				
NU 1	PIONEER 4	113	US	3 MAR	HELIOCENTRIC ORBIT				
IOTA 1	EXPLORER 7	022	US	13 OCT	101.1	50.33	1074	551	
IOTA 2	ROCKET BODY	023	US	13 OCT	100.9	50.31	1047	553	
1960 LAUNCHES									
ALPHA 1	PIONEER 5	027	US	11 MAR	HELIOCENTRIC ORBIT				
BETA 1	ROCKET BODY	028	US	1 APR	99.1	48.39	740	690	
BETA 2	TIROS 1	029	US	1 APR	99.2	48.39	743	696	
BETA 3	NONE	101	US	1 APR	97.9	48.49	695	617	
BETA 4	NONE	115	US	1 APR	99.9	48.15	806	698	
GAMMA 2	TRANSIT 1B	031	US	13 APR	93.5	51.22	546	341	
GAMMA 4	NONE	099	US	13 APR	96.7	51.25	722	478	
ZETA 1	MIDAS 2	043	US	24 MAY	94.3	33.03	491	471	
ETA 1	TRANSIT 2A	045	US	22 JUN	101.6	66.68	1058	613	
ETA 2	GREB	046	US	22 JUN	101.6	66.71	1059	610	
ETA 3	ROCKET BODY	047	US	22 JUN	101.4	66.71	1041	609	
ETA 4		840	US	22 JUN	101.5	66.68	1055	609	
ETA 5		841	US	22 JUN	101.5	66.70	1051	609	

OBJECTS IN ORBIT

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1960 LAUNCHES (CONT'D)									
IOTA 1	ECHO 1	049	US	12 AUG	113.2	47.22	1710	1032	
IOTA 2	ROCKET BODY	050	US	12 AUG	118.1	47.23	1684	1503	
IOTA 3	METAL OBJECT	051	US	12 AUG	118.2	47.25	1689	1514	
IOTA 4	METAL OBJECT	052	US	12 AUG	CURRENT ELEMENTS NOT MAINTAINED				
IOTA 5	METAL OBJECT	053	US	12 AUG	118.4	47.34	1682	1538	
NU 1	COURIER 1B	058	US	4 OCT	107.0	28.30	1219	956	
NU 2	ROCKET BODY	059	US	4 OCT	106.6	28.24	1206	925	
XI 1	EXPLORER 8	060	US	3 NOV	112.2	49.97	2240	418	
XI 2	ROCKET BODY	062	US	3 NOV	111.7	49.95	2194	417	
XI 3	NONE	069	US	3 NOV	108.5	49.39	1913	401	
XI 4	NONE	105	US	3 NOV	110.0	50.48	2029	426	
PI 1	TIROS 2	063	US	23 NOV	98.2	48.53	727	620	
PI 2	ROCKET BODY	064	US	23 NOV	98.1	48.50	718	615	
PI 3	NONE	074	US	23 NOV	98.1	48.52	720	618	
PI 4	NONE	075	US	23 NOV	98.3	48.52	732	620	
1961 LAUNCHES									
ALPHA 1	SAMOS 2	070	US	31 JAN	94.7	97.38	537	471	
ALPHA 2	METAL OBJECT	079	US	31 JAN	94.6	97.37	533	465	
GAMMA 1	VENUS PROBE	080	USSR	12 FEB	HELIOCENTRIC ORBIT				
DELTA 2	ROCKET BODY	082	US	16 FEB	118.5	38.84	2594	633	
DELTA 3	NONE	085	US	16 FEB	CURRENT ELEMENTS NOT MAINTAINED				
KAPPA 1	EXPLORER 10	098	US	25 MAR	POSITION UNCERTAIN				
NU 1	EXPLORER 11	107	US	27 APR	107.9	28.77	1773	485	
OMICRON 1	TRANSIT 4A	116	US	29 JUN	103.8	66.83	1003	877	
OMICRON 2	INJUN-SR-3	117	US	29 JUN	103.8	66.84	1005	876	
OMICRON 3-210**	METAL OBJECTS		US	29 JUN					
RHO 1	TIROS 3	162	US	12 JUL	100.4	47.90	818	737	
									\$54\$324\$150\$400

OBJECTS IN ORBIT											
OBJECT	CODE NAME	CATALOGUE NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE Km.	PERIGEE Km.	TRANSMITTING FREQ. (MC/S)		
1961 LAUNCHES (CONT'D)											
RHO 2	ROCKET BODY	165	US	12 JUL	100.3	47.90	804	743			
RHO 3	METAL OBJECT	166	US	12 JUL	98.8	47.93	792	613			
RHO 4	METAL OBJECT	167	US	12 JUL	102.0	47.86	930	775			
SIGMA 1	MIDAS 3	163	US	12 JUL	161.5	91.27	3544	3347			
SIGMA 3	METAL OBJECT	188	US	12 JUL	161.1	91.22	3542	3322			
SIGMA 4	METAL OBJECT	196	US	12 JUL	161.9	91.23	3571	3353			
UPSILON 1	EXPLORER 12	170	US	16 AUG	CURRENT	ELEMENTS	NOT MAINTAINED				
A DELTA 1	MIDAS 4	192	US	21 OCT	166.0	95.87	3752	3501			
A DELTA 3	METAL OBJECT	194	US	21 OCT	165.6	95.85	3740	3481			
A DELTA 4	METAL OBJECT	195	US	21 OCT	166.4	95.87	3804	3483			
A ETA 1	TRANSIT 4B	202	US	15 NOV	105.8	32.42	1113	945			
A ETA 2	TRAAC	205	US	15 NOV	105.8	32.42	1113	948			
A ETA 3	ROCKET BODY	204	US	15 NOV	105.6	32.43	1097	948			
1962 LAUNCHES											
ALPHA 1	RANGER 3	221	US	26 JAN	HELIOCENTRIC ORBIT						
ALPHA 2	ROCKET BODY	222	US	26 JAN	HELIOCENTRIC ORBIT						
BETA 1	TIROS 4	226	US	8 FEB	100.4	48.31	839	712			
BETA 2	ROCKET BODY	227	US	8 FEB	101.4	48.13	941	703			
BETA 3	METAL OBJECT	228	US	8 FEB	99.5	48.42	760	704			
BETA 4	METAL OBJECT	229	US	8 FEB	100.3	48.30	837	706			
ZETA 1	ORB.SOL.OBS. 1	255	US	7 MAR	96.0	32.84	586	546			
ZETA 2	ROCKET BODY	257	US	7 MAR	96.0	32.83	582	544			
KAPPA 1		271	US	9 APR	153.0	86.66	3410	2786			
KAPPA 3		273	US	9 APR	152.6	86.65	3371	2795			
KAPPA 4		274	US	9 APR	153.3	86.65	3426	2780			
MU 2	ROCKET BODY	282	US	23 APR	HELIOCENTRIC ORBIT						
OMICRON 1	ARIEL	285	US/UK	26 APR	100.3	53.90	1158	392	136.405		
OMICRON 2	ROCKET BODY	288	US	26 APR	100.2	53.89	1142	392			

OBJECTS IN ORBIT

OBJECT	CODE NAME	CATALOGUE NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOCEE Km.	PERLCEE Km.	TRANSMITTING FREQ. (MC/S)
1962 LAUNCHES (CONT'D)									
A ALPHA 1	TIROS 5	309	US	19 JUN	100.5	58.13	967	595	
A ALPHA 2	ROCKET BODY	311	US	19 JUN	100.4	58.14	958	594	
A ALPHA 3	METAL OBJECT	312	US	19 JUN	101.7	58.22	1078	604	
A ALPHA 4	METAL OBJECT	313	US	19 JUN	99.1	57.99	859	572	
A EPSILON 1	TELSTAR 1	340	US	10 JUL	157.8	44.81	5645	943	
A EPSILON 2	ROCKET BODY	341	US	10 JUL	157.6	44.79	5634	940	
A OMICRON 1		369	US	23 AUG	99.5	98.70	857	618	
A OMICRON 2		370	US	23 AUG	98.2	98.60	744	605	
A OMICRON 3		378	US	23 AUG	100.8	98.76	968	625	
A OMICRON 4		388	US	23 AUG	99.5	98.69	856	617	
A RHO 1	MARINER 2	374	US	27 AUG	HELIOCENTRIC ORBIT				
A RHO 2	ROCKET BODY	375	US	27 AUG	HELIOCENTRIC ORBIT				
A PSI 1	TIROS 6	397	US	18 SEP	98.7	58.29	704	692	
A PSI 2	ROCKET BODY	398	US	18 SEP	98.6	58.31	699	689	
A PSI 3	METAL OBJECT	399	US	18 SEP	99.4	58.45	775	683	
A PSI 4	METAL OBJECT	400	US	18 SEP	98.0	58.21	693	635	
B ALPHA 1	ALOUETTE	424	CANADA	29 SEP	105.5	80.49	1037	998	
B ALPHA 2	ROCKET BODY	426	US	29 SEP	105.4	80.47	1031	1000	
B ALPHA 3	METAL OBJECT	510	US	29 SEP	105.4	80.51	1024	1001	
B ALPHA 4	METAL OBJECT	511	US	29 SEP	105.5	80.44	1041	994	
B GAMMA 1	EXPLORER 14	432	US	2 OCT	CURRENT ELEMENTS NOT MAINTAINED				
B GAMMA 2#	ROCKET BODY	NNA	US	2 OCT	CURRENT ELEMENTS NOT MAINTAINED				
B ETA 1	RANGER 5	439	US	18 OCT	HELIOCENTRIC ORBIT				
B ETA 2	ROCKET BODY	440	US	18 OCT	HELIOCENTRIC ORBIT				
B KAPPA 1		444	US	26 OCT	121.3	71.35	3274	201	
B LAMBDA 1	EXPLORER 15	445	US	27 OCT	CURRENT ELEMENTS NOT MAINTAINED				
B LAMBDA 2#	ROCKET BODY	NNA	US	27 OCT	INSUFFICIENT OBSERVATIONS				
B MU 1	ANNA 1B	446	US	31 OCT	107.9	50.13	1183	1076	\$162\$324

\$136.591\$136.078

OBJECTS IN ORBIT

OBJECT	CODE NAME	CATALOGUE NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCL-I- NATION	APOGEE Km.	PERIGEE Km.	TRANSMITTING FREQ. (MC/S)
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1962 LAUNCHES (CONT'D)

B MU 2	ROCKET BODY	447	US	31 OCT	107.6	50.21	1161	1072	
B NU 3		450	USSR	1 NOV	HELIOCENTRIC ORBIT				
B TAU 1		502	US	13 DEC	102.9	70.33	1562	234	
B TAU 2	INJUN 3	504	US	13 DEC	109.4	70.36	2161	236	
B TAU 5		513	US	13 DEC	102.7	70.26	1543	224	
B TAU 6		520	US	13 DEC	108.2	70.34	2050	235	
B UPSILON 1	RELAY 1	503	US	13 DEC	185.1	47.48	7439	1318	\$136.140;136.621
B UPSILON 2		515	US	13 DEC	184.8	47.51	7423	1317	
B CHI 1	ROCKET BODY	506	US	16 DEC	104.4	52.05	1175	754	
B PSI 1	EXPLORER 16	509	US	19 DEC	99.1	90.64	735	695	
B PSI 2	TRANSIT 5A	514	US	19 DEC	97.6	90.75	717	572	
B PSI 3		519	US	19 DEC	99.1	90.65	733	696	
B PSI 4		523	US	19 DEC	100.2	90.49	836	700	

1963 LAUNCHES

1963 03A		527	US	16 JAN	94.4	81.88	520	457	
1963 04A	SYNCOM 1	553	US	14 FEB	CURRENT ELEMENTS	NOT MAINTAINED			
1963 04B	ROCKET BODY	532	US	14 FEB	CURRENT ELEMENTS	NOT MAINTAINED			
1963 05A		533	US	19 FEB	97.6	100.48	794	500	
1963 05B		534	US	19 FEB	97.7	100.49	796	501	
1963 05C		535	US	19 FEB	96.7	100.48	741	467	
1963 05D		536	US	19 FEB	98.3	100.49	833	523	
1963 08B		566	USSR	2 APR	BARYCENTRIC ORBIT				
1963 09A	EXPLORER 17	564	US	3 APR	93.0	57.62	593	247	
1963 13A	TELSTAR 2	573	US	7 MAY	225.3	42.75	10804	969	

OBJECTS IN ORBIT

OBJECT	CODE NAME	CATALOGUE NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCL- NATION	APOGEE Km.	PERIGEE Km.	TRANSMITTING FREQ. (MC/S)
1963 LAUNCHES (CONT'D)									
1963 13B	ROCKET BODY	575	US	7 MAY	225.1	42.77	10736	971	
1963 14A		574	US	9 MAY	166.4	87.57	3689	3602	
1963 14B		579	US	9 MAY	166.4	87.33	4175	3116	
1963 14C		608	US	9 MAY	166.4	87.34	3690	3601	
1963 14D		589	US	9 MAY	CURRENT	ELEMENTS	NOT MAINTAINED		
1963 14E		602	US	9 MAY	166.1	87.35	3653	3610	
1963 14F		628	US	9 MAY	166.8	87.32	3663	3658	
1963 14G		629	US	9 MAY	166.4	87.33	3709	3581	
1963 14H		702	US	9 MAY	166.4	87.33	3677	3613	
1963 22A		594	US	16 JUN	99.7	90.01	761	729	\$150\$400
1963 22B		603	US	16 JUN	99.7	90.01	758	731	
1963 22C		610	US	16 JUN	101.2	90.21	891	742	
1963 22D		611	US	16 JUN	98.1	89.81	766	569	
1963 24A	TIROS 7	604	US	19 JUN	97.4	58.22	645	626	\$136.233\$136.924
1963 24B	ROCKET BODY	605	US	19 JUN	97.3	58.23	645	616	
1963 24C	METAL OBJECTS	606	US	19 JUN	97.9	58.41	676	638	
1963 24D	METAL OBJECTS	607	US	19 JUN	96.9	58.10	646	571	
1963 25B	RESEARCH	614	US	27 JUN	132.0	82.14	4084	338	
1963 26A	SATELLITE FOR GEOPHYSICS	612	US	28 JUN	102.0	49.77	1289	415	
1963 27A		613	US	29 JUN	94.6	82.31	520	482	
1963 30A		622	US	18 JUL	167.8	88.52	3740	3665	
1963 30B		635	US	18 JUL	167.9	88.41	3740	3665	
1963 30C		630	US	18 JUL	167.5	88.43	3724	3653	
1963 30D		624	US	18 JUL	167.5	87.94	4583	2792	
1963 30E		631	US	18 JUL	168.3	88.42	3786	3654	

OBJECTS IN ORBIT

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1963 LAUNCHES (CONT'D)									
1963 31A	SYNCOM 2	634	US	26 JUL	1434.8	31.29	35798	35724	\$136.467\$136.980 \$1814.069 \$1815.794 \$1820.177
1963 31B	ROCKET BODY	625	US	26 JUL	CURRENT ELEMENTS NOT MAINTAINED				
1963 38A		669	US	28 SEP	107.1	89.91	1113	1074	
1963 38B		670	US	28 SEP	107.4	89.91	1136	1075	
1963 38C		671	US	28 SEP	107.3	89.91	1136	1074	
1963 38D		672	US	28 SEP	107.3	89.94	1135	1073	
1963 38E		745	US	28 SEP	107.1	89.95	1113	1072	
1963 39A		674	US	17 OCT	6475.3	37.55	117181	100223	
1963 39B		675	US	17 OCT	CURRENT ELEMENTS NOT MAINTAINED				
1963 39C		692	US	17 OCT	6509.4	36.57	115176	103035	
1963 43A		683	USSR	1 NOV	102.2	58.97	1383	343	
1963 43B	POLYOT 1	684	USSR	1 NOV	98.1	58.61	1011	322	
1963 43D		686	USSR	1 NOV	97.6	59.80	967	320	
1963 46A		693	US	27 NOV	CURRENT ELEMENTS NOT MAINTAINED				
1963 47A	EXPLORER 18 CENTAUR 2	694	US	27 NOV	107.8	30.36	1771	476	
1963 47B		696	US	27 NOV	107.2	30.06	1620	574	
1963 47C		697	US	27 NOV	107.4	30.06	1634	578	
1963 47D		698	US	27 NOV	108.0	29.91	1663	604	
1963 47E		699	US	27 NOV	108.6	30.45	1748	573	
1963 47F		700	US	27 NOV	108.6	30.46	1753	572	
1963 47G		701	US	27 NOV	107.8	29.99	1643	605	
1963 47H		739	US	27 NOV	105.9	30.42	1585	484	
1963 47J		1994	US	27 NOV	108.8	30.52	1765	574	
1963 49A		703	US	5 DEC	106.8	89.95	1089	1071	
1963 49B		704	US	5 DEC	107.1	89.94	1123	1067	\$150\$400

OBJECTS IN ORBIT

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1963 LAUNCHES (CONT'D)									
1963 49C		705	US	5 DEC	107.1	89.94	1121	1067	
1963 49D		706	US	5 DEC	107.1	89.96	1117	1066	
1963 49E		715	US	5 DEC	107.1	89.96	1119	1067	
1963 49F		753	US	5 DEC	107.1	89.97	1121	1068	
1963 53A	EXPLORER 19	714	US	19 DEC	115.1	78.64	2258	663	
1963 53B		721	US	19 DEC	115.8	78.64	2398	593	
1963 53C		722	US	19 DEC	115.8	78.60	2376	611	
1963 53D		723	US	19 DEC	115.9	78.61	2388	603	
1963 53E		724	US	19 DEC	115.9	78.63	2380	614	
1963 53F		725	US	19 DEC	115.8	78.62	2367	615	
1963 53G		726	US	19 DEC	115.8	78.61	2381	602	
1963 53H		732	US	19 DEC	115.7	78.59	2379	601	
1963 54A	TIROS 8	716	US	21 DEC	99.4	58.52	751	705	\$136.231\$136.924
1963 54B		717	US	21 DEC	99.3	58.55	743	706	
1963 54C		720	US	21 DEC	101.1	58.49	914	704	
1963 54D		736	US	21 DEC	97.7	58.55	709	585	
1964 LAUNCHES									
1964 01A		727	US	11 JAN	103.4	69.91	935	911	
1964 01B	GGSE	728	US	11 JAN	103.4	69.92	933	912	
1964 01C	EGRS 1	729	US	11 JAN	103.4	69.92	933	911	136.805
1964 01D	SOLAR RAD.	730	US	11 JAN	103.5	69.93	937	908	136.886
1964 01E		731	US	11 JAN	103.5	69.97	937	909	
1964 02A		733	US	19 JAN	101.3	99.13	851	790	
1964 02B		734	US	19 JAN	101.3	99.10	835	804	
1964 02C		735	US	19 JAN	101.3	99.11	834	809	
1964 03A	RELAY 2	737	US	21 JAN	194.7	46.33	7439	2061	136.620\$136.142

OBJECTS IN ORBIT

<u>OBJECT</u>	<u>CODE NAME</u>	<u>CATALOGUE NUMBER</u>	<u>SOURCE</u>	<u>LAUNCH</u>	<u>PERIOD MINUTES</u>	<u>INCLI- NATION</u>	<u>APOGEE Km.</u>	<u>PERIGEE Km.</u>	<u>TRANSMITTING FREQ. (MC/S)</u>
1964 LAUNCHES (CONT'D)									
1964 03B		738	US	21 JAN	194.8	46.32	7430	2075	
1964 04A	ECHO 2	740	US	25 JAN	108.0	81.48	1204	1068	136.019;136.170
1964 04B		741	US	25 JAN	108.9	81.50	1311	1045	
1964 04C		742	US	25 JAN	108.8	81.49	1308	1041	
1964 04D		743	US	25 JAN	108.8	81.53	1311	1036	
1964 04E		749	US	25 JAN	91.0	81.50	388	251	
1964 05A	SATURN 5	744	US	29 JAN	91.0	31.43	401	237	
1964 06A	ELEKTRON 1	746	USSR	30 JAN	169.2	60.88	7113	401	
1964 06B	ELEKTRON 2	748	USSR	30 JAN	1356.4	58.43	66617	1807	
1964 06C		750	USSR	30 JAN	167.8	60.63	6978	425	
1964 06D		751	USSR	30 JAN	1384.1	58.48	67627	1895	
1964 11A		759	US	28 FEB	94.5	82.08	507	486	
1964 15A	ARIEL 2	771	US/UK	27 MAR	99.3	51.64	1160	282	136.557
1964 15B		775	US	27 MAR	98.3	51.63	1072	281	
1964 15C		847	US	27 MAR	103.0	51.38	1431	370	
1964 16D		785	USSR	2 APR	HELIOCENTRIC ORBIT				
1964 19B	POLYOT 2	784	USSR	12 APR	90.8	58.04	339	270	
1964 26A		801	US	4 JUN	103.1	90.52	951	860	\$150\$400
1964 26B		805	US	4 JUN	103.8	90.22	971	912	
1964 26C		806	US	4 JUN	102.3	90.86	952	785	
1964 26D		809	US	4 JUN	103.1	90.52	954	856	
1964 31A		812	US	18 JUN	101.6	99.73	838	831	
1964 31B		813	US	18 JUN	101.6	99.76	842	829	
1964 31C		815	US	18 JUN	101.6	99.80	840	828	
1964 35A		824	US	2 JUL	94.8	82.06	525	494	

OBJECTS IN ORBIT

<u>OBJECT</u>	<u>CODE NAME</u>	<u>CATALOGUE NUMBER</u>	<u>SOURCE</u>	<u>LAUNCH</u>	<u>PERIOD MINUTES</u>	<u>INCL- NATION</u>	<u>APOGEE Km.</u>	<u>PERIGEE Km.</u>	<u>TRANSMITTING FREQ. (MC/S)</u>
1964 LAUNCHES (CONT'D)									
1964 38A	ELECKTRON 3	829	USSR	10 JUL	168.1	60.91	7010	413	
1964 38B	ELECKTRON 4	830	USSR	10 JUL	1313.8	58.97	65541	1177	
1964 38C		831	USSR	10 JUL	168.3	60.86	7025	416	
1964 38D		832	USSR	10 JUL	1341.2	59.05	66615	1202	
1964 40A		836	US	17 JUL	6020.5	38.41	103947	102551	
1964 40B		837	US	17 JUL	6002.5	40.26	115142	90918	
1964 40C		838	US	17 JUL	CURRENT ELEMENTS NOT MAINTAINED				
1964 41B		843	US	28 JUL	BARYCENTRIC ORBIT				
1964 45B		851	US	14 AUG	126.1	95.64	3633	271	
1964 47A	SYNCOM 3	858	US	19 AUG	1435.3	.23	35792	35750	\$136.470\$136.980 \$1820.177\$1815.794 \$1814.931
1964 47B		862	US	19 AUG	CURRENT ELEMENTS NOT MAINTAINED				
1964 49D	COSMOS 41	869	USSR	22 AUG	714.7	66.70	39283	928	
1964 49E		898	USSR	22 AUG	717.5	67.76	39395	949	
1964 51A	EXPLORER 20	870	US	25 AUG	103.9	79.91	1023	867	\$136.326\$136.350 \$136.680
1964 51B		871	US	25 AUG	103.8	79.90	1015	868	
1964 51C		873	US	25 AUG	103.2	79.83	971	847	
1964 51D		874	US	25 AUG	103.3	79.82	1005	823	
1965 51E		875	US	25 AUG	103.3	79.78	1028	801	
1964 52A	NIMBUS 1	872	US	28 AUG	98.2	98.69	924	428	
1964 52B		878	US	28 AUG	98.3	98.70	929	425	

OBJECTS IN ORBIT

<u>OBJECT</u>	<u>CODE NAME</u>	<u>CATALOGUE NUMBER</u>	<u>SOURCE</u>	<u>LAUNCH</u>	<u>PERIOD MINUTES</u>	<u>INCL- NATION</u>	<u>APOGEE Km.</u>	<u>PERIGEE Km.</u>	<u>TRANSMITTING FREQ. (MC/S)</u>
1964 LAUNCHES (CONT'D)									
1964 53A	COSMOS 44	876	USSR	28 AUG	99.5	65.09	868	604	
1964 53B		877	USSR	28 AUG	99.6	65.09	809	669	
1964 54A	OGO 1	879	US	5 SEP	3841.9	40.72	144824	4930	\$136.200\$400.250
1964 60A	EXPLORER 21	889	US	4 OCT	2080.3	33.72	94288	917	\$400.850
1964 63A		893	US	6 OCT	106.3	89.91	1080	1035	136.147
1964 63B		897	US	6 OCT	106.6	89.89	1081	1059	
1964 63C		900	US	6 OCT	106.6	89.92	1082	1055	
1964 63D		901	US	6 OCT	106.6	89.93	1080	1063	
1964 63E		902	US	6 OCT	106.6	89.92	1079	1062	
1964 63F		903	US	6 OCT	106.6	89.95	1095	1048	
1964 64A	EXPLORER 22	899	US	10 OCT	104.8	79.72	1080	889	\$136.171\$162\$324
1964 64B		907	US	10 OCT	104.7	79.71	1079	889	\$20\$40\$41\$360
1964 64C		976	US	10 OCT	104.0	79.33	1063	840	
1964 64D		977	US	10 OCT	105.5	80.05	1128	909	
1964 72A		922	US	4 NOV	94.9	82.02	524	507	
1964 72B		925	US	4 NOV	94.7	82.02	515	498	
1964 72C		926	US	4 NOV	93.8	82.06	467	456	
1964 72D		927	US	4 NOV	93.9	82.00	468	458	
1964 73A	MARINER 3	923	US	5 NOV	HELIOCENTRIC ORBIT				
1964 74A	EXPLORER 23	924	US	6 NOV	99.2	51.95	976	464	\$136.078\$136.861
1964 76A	EXPLORER 24	931	US	21 NOV	115.5	81.43	2369	587	136.709
1964 76B	EXPLORER 25	932	US	21 NOV	116.2	81.39	2495	529	\$136.292\$136.860
1964 76C		933	US	21 NOV	116.2	81.37	2492	534	
1964 76D		934	US	21 NOV	116.3	81.39	2473	562	
1964 76E		935	US	21 NOV	116.2	81.42	2486	535	

OBJECTS IN ORBIT

<u>OBJECT</u>	<u>CODE NAME</u>	<u>CATALOGUE NUMBER</u>	<u>SOURCE</u>	<u>LAUNCH</u>	<u>PERIOD MINUTES</u>	<u>INCLI- NATION</u>	<u>APOGEE Km.</u>	<u>PERIGEE Km.</u>	<u>TRANSMITTING FREQ. (MC/S)</u>
1964 LAUNCHES (CONT'D)									
1964 76F		936	US	21 NOV	115.3	81.31	2364	577	
1964 76G		937	US	21 NOV	116.0	81.43	2495	512	
1964 76H		939	US	21 NOV	114.9	81.36	2334	568	
1964 76I		940	US	21 NOV	116.0	81.36	2475	532	
1964 76J		941	US	21 NOV	116.2	81.39	2473	551	
1964 76K		960	US	21 NOV	116.4	81.47	2439	605	
1964 76L		1411	US	21 NOV	116.3	81.44	2481	553	
1964 77A	MARINER 4	938	US	28 NOV	HELIOCENTRIC ORBIT				
1964 77B		942	US	28 NOV	HELIOCENTRIC ORBIT				
1964 78C	ZOND 2	945	USSR	30 NOV	HELIOCENTRIC ORBIT				
1964 83A		953	US	13 DEC	106.0	89.96	1068	1018	
1964 83B		956	US	13 DEC	106.3	90.00	1086	1027	
1964 83C		959	US	13 DEC	106.3	89.99	1087	1027	
1964 83D		965	US	13 DEC	106.3	89.99	1090	1024	
1964 83E		966	US	13 DEC	106.3	89.97	1086	1028	
1964 83F		967	US	13 DEC	106.3	89.98	1090	1023	
1964 83G		1099	US	13 DEC	106.3	89.99	1085	1029	
1964 83H		1528	US	13 DEC	106.3	89.99	1089	1026	
1964 83J		1608	US	13 DEC	106.3	89.99	1085	1028	
1964 86A	EXPLORER 26	963	US	21 DEC	451.6	19.85	25936	300	136.273
1965 LAUNCHES									
1965 03A		973	US	19 JAN	97.6	98.71	831	460	
1965 04A	TIROS 9	978	US	22 JAN	119.2	96.39	2585	704	
1965 04B		979	US	22 JAN	119.3	96.41	2593	707	
1965 04C		1312	US	22 JAN	118.0	96.36	2516	672	
1965 04D		1313	US	22 JAN	120.4	96.63	2663	735	
1965 06A	COSMOS 53	983	USSR	30 JAN	94.8	48.70	799	215	
									\$136.234\$136.198

OBJECTS IN ORBIT

<u>OBJECT</u>	<u>CODE NAME</u>	<u>CATALOGUE NUMBER</u>	<u>SOURCE</u>	<u>LAUNCH</u>	<u>PERIOD MINUTES</u>	<u>INCL-I- NATION</u>	<u>APOGEE Km.</u>	<u>PERIGEE Km.</u>	<u>TRANSMITTING FREQ. (MC/S)</u>
1965 LAUNCHES (CONT'D)									
1965 07A	ORB. SOL. OBS. 2	987	US	3 FEB	96.5	32.85	628	547	136.713
1965 07B		988	US	3 FEB	96.5	32.86	634	548	
1965 08A		1000	US	11 FEB	145.6	32.13	2800	2778	
1965 08B		1001	US	11 FEB	145.4	32.14	2796	2760	
1965 08C		1002	US	11 FEB	145.7	32.13	2806	2779	
1965 09A	PEGASUS 1	1085	US	16 FEB	97.0	31.75	727	497	\$136.410; 136.890
1965 09B		1088	US	16 FEB	97.1	31.74	732	500	
1965 10B		1087	US	17 FEB	BARYCENTRIC ORBIT				
1965 11A	COSMOS 54	1089	USSR	21 FEB	103.6	56.11	1598	262	
1965 11B	COSMOS 55	1090	USSR	21 FEB	103.6	56.07	1592	267	
1965 11C	COSMOS 56	1091	USSR	21 FEB	102.6	56.07	1498	262	
1965 11D		1092	USSR	21 FEB	105.5	56.12	1765	270	
1965 11E		1094	USSR	21 FEB	95.4	56.00	822	245	
1965 14A	COSMOS 58	1097	USSR	26 FEB	96.8	65.01	622	587	
1965 14B		1098	USSR	26 FEB	96.9	65.04	696	523	
1965 16A	GREB	1271	US	9 MAR	103.5	70.07	942	908	
1965 16B	GRAVITY GRADIENT II	1244	US	9 MAR	103.5	70.08	941	908	136.766
1965 16C	GRAVITY GRADIENT III	1292	US	9 MAR	103.5	70.07	942	908	136.800
1965 16D	SOLAR RAD.	1291	US	9 MAR	103.5	70.07	942	908	136.840
1965 16E	EGRS III	1208	US	9 MAR	103.5	70.08	940	908	
1965 16F	OSCAR III	1293	US	9 MAR	103.5	70.08	944	904	
1965 16G	SURCAL	1310	US	9 MAR	103.4	70.10	938	907	
1965 16H	DODECAHEDRON	1272	US	9 MAR	103.5	70.09	942	907	
1965 16J	ROCKET BODY	1245	US	9 MAR	103.5	70.10	942	905	
1965 17B	EGRS II	1250	US	11 MAR	97.2	89.98	966	284	
1965 17C		1228	US	11 MAR	96.9	89.98	940	280	
1965 17D		1248	US	11 MAR	96.9	90.00	933	288	
1965 20A	COSMOS 61	1267	USSR	15 MAR	103.4	56.07	1579	262	
1965 20B	COSMOS 62	1268	USSR	15 MAR	103.6	56.06	1594	265	
1965 20C	COSMOS 63	1269	USSR	15 MAR	102.6	56.07	1497	264	

OBJECTS IN ORBIT

OBJECT	CODE NAME	CATALOGUE NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE Km.	PERIGEE Km.	TRANSMITTING FREQ. (MC/S)
1965 LAUNCHES (CONT'D)									
1965 20D-20EE***			USSR	15 MAR					
1965 21A		1273	US	18 MAR	97.5	98.99	757	527	
1965 21C		1289	US	18 MAR	97.5	99.01	762	523	
1965 21E		1376	US	18 MAR	96.4	98.97	656	521	
1965 21F		1463	US	18 MAR	98.6	99.02	865	523	
1965 23B		1298	US	21 MAR	BARYCENTRIC ORBIT				
1965 27A		1314	US	3 APR	111.5	90.21	1316	1278	
1965 27B		1315	US	3 APR	111.4	90.20	1315	1275	
1965 27C		1316	US	3 APR	111.5	90.22	1317	1275	
1965 27D		1389	US	3 APR	111.5	90.17	1317	1278	
1965 27E		1399	US	3 APR	111.5	90.21	1326	1269	
1965 28A	EARLY BIRD	1317	US	6 APR	1437.3	.13	36596	35025	
1965 28B	ROCKET BODY	1318	US	6 APR	CURRENT ELEMENTS NOT MAINTAINED				
1965 30A	MOLNIA 1	1324	USSR	23 APR	720.5	65.19	39706	786	
1965 30D		1967	USSR	23 APR	702.6	65.56	38823	778	
1965 31B		1329	US	28 APR	95.1	95.19	545	503	
1965 31G		1357	US	28 APR	93.1	95.16	429	423	
1965 32A	EXPLORER 27	1328	US	29 APR	107.8	41.16	1311	940	\$136.740\$162\$324 \$20\$40\$41\$360
1965 32B		1358	US	29 APR	107.8	41.17	1316	934	
1965 32C		1995	US	29 APR	106.7	41.08	1311	833	
1965 34A		1359	US	6 MAY	157.0	32.12	3737	2785	
1965 34B		1360	US	6 MAY	309.9	32.09	14811	2771	
1965 34C		1361	US	6 MAY	145.6	32.14	2800	2774	
1965 38A		1377	US	20 MAY	100.0	98.57	962	557	
1965 38B		1378	US	20 MAY	100.0	98.60	967	553	
1965 38C		1379	US	20 MAY	99.9	98.63	954	560	
1965 38D		1380	US	20 MAY	97.7	98.93	806	495	
1965 38E		1461	US	20 MAY	101.0	98.65	1046	565	
1965 38F		1462	US	20 MAY	98.9	98.59	867	551	

OBJECTS IN ORBIT

OBJECT	CODE NAME	CATALOGUE NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE Km.	PERIGEE Km.	TRANSMITTING FREQ. (MC/S)
1965 LAUNCHES (CONT'D)									
1965 38G		1475	US	20 MAY	100.1	98.58	982	551	
1965 39A	PEGASUS 2	1381	US	25 MAY	97.2	31.76	731	510	\$136.410;136.889
1965 39B	ROCKET BODY	1385	US	25 MAY	97.2	31.76	734	512	
1965 42A	EXPLORER 28	1388	US	29 MAY	8558.8	33.86	264247	196	136.125
1965 44A	LUNIK 6	1393	USSR	8 JUN	HELIOCENTRIC ORBIT				
1965 48A		1420	US	24 JUN	106.9	89.99	1145	1026	
1965 48B		1425	US	24 JUN	106.9	89.97	1140	1028	
1965 48C		1428	US	24 JUN	106.6	89.97	1113	1027	
1965 48D		1435	US	24 JUN	106.9	90.00	1146	1026	
1965 50A		1422	US	25 JUN	94.6	107.65	505	496	
1965 51A	TIROS 10	1430	US	2 JUL	100.7	98.60	837	745	\$136.232\$136.924
1965 51B		1433	US	2 JUL	100.7	98.64	843	744	
1965 51C		1440	US	2 JUL	99.3	98.48	840	616	
1965 51D		1529	US	2 JUL	102.0	98.71	887	824	
1965 52A	COSMOS 70	1431	USSR	2 JUL	96.5	48.75	957	220	
1965 52B		1432	USSR	2 JUL	95.0	48.73	798	226	
1965 53A	COSMOS 71	1441	USSR	16 JUL	95.2	56.05	543	518	
1965 53B	COSMOS 72	1442	USSR	16 JUL	95.9	56.07	587	538	
1965 53C	COSMOS 73	1443	USSR	16 JUL	95.6	56.08	556	537	
1965 53D	COSMOS 74	1444	USSR	16 JUL	96.2	56.05	615	540	
1965 53E	COSMOS 75	1445	USSR	16 JUL	96.5	56.05	643	540	
1965 53F		1448	USSR	16 JUL	96.6	56.09	644	546	
1965 53G		1449	USSR	16 JUL	95.0	56.05	536	503	
1965 53H		1473	USSR	16 JUL	96.7	56.04	663	535	
1965 55A		1447	US	17 JUL	94.4	70.18	512	467	
1965 55B		1452	US	17 JUL	93.6	70.15	468	433	
1965 55C		1455	US	17 JUL	93.9	70.16	486	450	
1965 55D		1744	US	17 JUL	93.6	70.16	466	440	
1965 55E		1745	US	17 JUL	93.4	70.14	466	415	
1965 56A	ZOND 3	1454	USSR	18 JUL	HELIOCENTRIC ORBIT				
1965 58A		1458	US	20 JUL	6679.0	35.34	115839	106367	
1965 58B		1459	US	20 JUL	6697.9	34.33	122079	100569	

OBJECTS IN ORBIT

<u>OBJECT</u>	<u>CODE NAME</u>	<u>CATALOGUE NUMBER</u>	<u>SOURCE</u>	<u>LAUNCH</u>	<u>PERIOD MINUTES</u>	<u>INCL- NATION</u>	<u>APOGEE Km.</u>	<u>PERIGEE Km.</u>	<u>TRANSMITTING FRFQ. (MC/S)</u>
1965 LAUNCHES (CONT'D)									
1965 58C		1460	US	20 JUL	2595.4	36.88	111793	566	136.768
1965 59A		1464	USSR	23 JUL	90.2	48.77	332	231	
1965 60A	PEGASUS 3	1467	US	30 JUL	95.1	28.87	534	512	\$136.410;136.590
1965 60B		1468	US	30 JUL	95.2	28.87	536	517	
1965 62B		1472	US	3 AUG	94.7	107.36	506	503	
1965 63A	EGRS 5	1506	US	10 AUG	122.2	69.25	2425	1137	
1965 63B		1502	US	10 AUG	122.2	69.25	2424	1139	
1965 64A	CENTAUR 6	1503	US	11 AUG	CURRENT ELEMENTS NOT MAINTAINED				
1965 65A		1504	US	13 AUG	108.1	90.03	1194	1088	
1965 65B		1508	US	13 AUG	107.9	90.01	1159	1102	
1965 65C		1510	US	13 AUG	108.1	90.01	1191	1086	
1965 65D		1511	US	13 AUG	108.1	90.00	1192	1089	
1965 65E		1512	US	13 AUG	108.1	90.01	1193	1088	
1965 65F		1514	US	13 AUG	108.1	90.00	1194	1089	
1965 65G		1515	US	13 AUG	108.1	90.00	1192	1085	
1965 65H		1520	US	13 AUG	108.1	90.04	1197	1085	
1965 65J		1521	US	13 AUG	108.1	90.02	1189	1092	
1965 65K		1522	US	13 AUG	108.1	90.00	1191	1092	
1965 65L		1577	US	13 AUG	108.1	90.05	1197	1085	
1965 70A	COSMOS 80	1570	USSR	3 SEP	115.0	56.10	1344	1364	
1965 70B	COSMOS 81	1571	USSR	3 SEP	115.3	56.10	1549	1393	
1965 70C	COSMOS 82	1572	USSR	3 SEP	115.7	56.11	1558	1415	
1965 70D	COSMOS 83	1573	USSR	3 SEP	116.1	56.11	1365	1442	
1965 70E	COSMOS 84	1574	USSR	3 SEP	116.4	56.10	1571	1470	
1965 70F		1575	USSR	3 SEP	114.6	56.15	1519	1355	
1965 72A		1580	US	10 SEP	101.9	98.63	1053	651	
1965 72B		1581	US	10 SEP	101.6	98.70	995	675	
1965 72C		1582	US	10 SEP	101.4	98.71	1010	646	
1965 72D		1583	US	10 SEP	101.9	98.63	1051	653	
1965 72E		1931	US	10 SEP	103.3	98.63	1184	650	
1965 72F		1932	US	10 SEP	100.7	98.63	932	654	

OBJECTS IN ORBIT

<u>OBJECT</u>	<u>CODE NAME</u>	<u>CATALOGUE NUMBER</u>	<u>SOURCE</u>	<u>LAUNCH</u>	<u>PERIOD MINUTES</u>	<u>INCL- NATION</u>	<u>APOGEE Km.</u>	<u>PERIGEE Km.</u>	<u>TRANSMITTING FREQ. (MC/S)</u>
1965 LAUNCHES (CONT'D)									
1965 73A	COSMOS 86	1584	USSR	18 SEP	115.1	56.04	1635	1282	
1965 73B	COSMOS 87	1585	USSR	18 SEP	115.1	56.07	1645	1308	
1965 73C	COSMOS 88	1586	USSR	18 SEP	115.8	56.09	1655	1332	
1965 73D	COSMOS 89	1587	USSR	18 SEP	116.2	56.09	1671	1354	
1965 73E	COSMOS 90	1588	USSR	18 SEP	116.7	56.09	1683	1379	
1965 73F		1589	USSR	18 SEP	116.8	56.09	1692	1383	
1965 73G		1590	USSR	18 SEP	116.5	56.08	1674	1374	
1965 73H		1591	USSR	18 SEP	116.7	56.04	1687	1378	
1965 73J		1617	USSR	18 SEP	117.5	56.14	1754	1385	
1965 73K		1618	USSR	18 SEP	117.7	56.16	1763	1393	
1965 78A		1613	US	5 OCT	125.7	144.26	3452	411	
1965 78B		1616	US	5 OCT	125.6	144.29	3446	413	
1965 80A	2nd MOLNIYA I	1621	USSR	13 OCT	716.1	65.17	39726	558	\$136.200\$400.250
1965 81A	OGO 2	1620	US	14 OCT	104.4	87.34	1513	419	\$400.850
1965 81B		1625	US	14 OCT	104.3	87.38	1504	421	
1965 82A	TITAN 3 C-4	1624	US	15 OCT	100.0	32.31	783	729	
1965 82B-82JA****			US	15 OCT					
1965 89A	EXPLORER 29	1726	US	6 NOV	120.3	59.38	2274	1118	\$136.830\$162 \$324\$972
1965 89B		1729	US	6 NOV	120.3	59.41	2276	1114	
1965 91A	VENERA 2	1730	USSR	12 NOV	HELIOCENTRIC ORBIT				
1965 92A	VENERA 3	1733	USSR	16 NOV	HELIOCENTRIC ORBIT				
1965 92D		1736	USSR	16 NOV	HELIOCENTRIC ORBIT				
1965 93A	EXPLORER 30	1738	US	19 NOV	100.8	59.72	896	699	136.530
1965 93B		1739	US	19 NOV	100.8	59.74	875	714	
1965 95A	COSMOS 91	1777	USSR	26 NOV	107.5	48.43	2003	213	
1965 95B		1779	USSR	26 NOV	107.0	48.48	1944	223	
1965 96A	A-1	1778	FRENCH	26 NOV	108.7	34.24	1801	527	

OBJECTS IN ORBIT

<u>OBJECT</u>	<u>CODE NAME</u>	<u>CATALOGUE NUMBER</u>	<u>SOURCE</u>	<u>LAUNCH</u>	<u>PERIOD MINUTES</u>	<u>INCL- NATION</u>	<u>APOGEE Km.</u>	<u>PERIGEE Km.</u>	<u>TRANSMITTING FREQ. (MC/S)</u>
1965 LAUNCHES (CONT'D)									
1965 96B		1805	FRENCH	26 NOV	108.8	34.25	1308	528	
1965 96C		1938	FRENCH	26 NOV	106.1	34.25	1604	482	
1965 96D		1996	FRENCH	26 NOV	108.6	34.25	1799	521	
1965 98A	ALOUETTE 2	1804	CANADA	29 NOV	121.4	79.85	2989	502	\$136.080\$136.590
1965 98B	EXPLORER 31	1306	US	29 NOV	121.3	79.84	2981	502	136.980
1965 98C		1807	US	29 NOV	121.3	79.83	2985	500	\$136.380
1965 98D		1808	US	29 NOV	121.4	79.88	2984	501	
1965 98E		1944	US	29 NOV	121.4	79.82	2985	507	
1965 98F		1948	US	29 NOV	121.4	79.88	2983	508	
1965 98G		1951	US	29 NOV	121.3	79.79	2975	503	
1965 101A	FR-1	1814	FRENCH	6 DEC	99.9	75.88	761	748	\$136.350 136.800
1965 101B		1815	US	6 DEC	100.0	75.87	769	753	
1965 101C		1934	US	6 DEC	99.9	76.46	777	737	
1965 101D		1935	US	6 DEC	99.6	75.25	780	697	
1965 105A	PIONEER 6	1841	US	16 DEC	HELIOCENTRIC ORBIT				
1965 105B		1842	US	16 DEC	100.2	30.18	1261	272	
1965 106A	COSMOS 100	1843	USSR	17 DEC	97.6	65.00	657	630	
1965 106B		1844	USSR	17 DEC	97.7	65.00	738	564	
1965 107A	COSMOS 101	1846	USSR	21 DEC	92.2	48.78	506	253	
1965 107B		1847	USSR	21 DEC	91.7	48.76	467	247	
1965 108A	TITAN 3 G-8	1863	US	21 DEC	588.2	26.39	33531	193	
1965 108B	LES 4	1870	US	21 DEC	584.9	26.51	33384	189	
1965 108C	OSCAR IV	1902	US	21 DEC	579.4	26.73	33085	161	
1965 108D	LES 3	1941	US	21 DEC	581.0	26.46	32955	194	
1965 109A		1364	US	22 DEC	105.0	89.10	1088	907	
1965 109B		1865	US	22 DEC	105.0	89.11	1085	909	
1965 112A	COSMOS 103	1868	USSR	28 DEC	97.0	56.04	634	596	
1965 112B-112Q*****			USSR	28 DEC					

OBJECTS IN ORBIT

OBJECT	CODE NAME	CATALOGUE NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCL- NATION	APOGEE Km.	PERIGEE Km.	TRANSMITTING FREQ. (MC/S)
1966 LAUNCHES									
1966 04A	COSMOS 106	1949	USSR	25 JAN	92.9	48.39	550	283	
1965 04B		1950	USSR	25 JAN	92.9	48.38	543	283	
1966 05A		1952	US	28 JAN	105.9	89.70	1215	863	
1966 05B		1953	US	28 JAN	105.9	89.68	1213	864	
1966 06D	ESSA-1	2001	USSR	31 JAN	BARYCENTRIC ORBIT				
1966 07A		1968	US	2 FEB	90.4	75.03	407	180	\$136.230\$136.920
1966 08A		1982	US	3 FEB	100.3	97.89	839	708	
1966 08B		1983	US	3 FEB	100.6	97.86	870	703	
1966 09A		1997	US	9 FEB	94.8	82.07	509	507	
1966 09B	COSMOS 107	2003	US	9 FEB	94.8	82.07	511	509	
1966 09C		2004	US	9 FEB	94.8	82.10	510	507	
1966 10A		1998	USSR	10 FEB	89.6	64.97	313	201	
1966 10B		2000	USSR	10 FEB	89.8	64.97	308	217	
1966 11A	COSMOS 108	2002	USSR	11 FEB	95.2	48.87	842	215	
1966 11B		2007	USSR	11 FEB	95.3	48.85	842	220	
1966 11C		2008	USSR	11 FEB	95.0	48.86	825	216	

DECAYED OBJECTS

OBJECT	CODE NAME	CATALOGUE NUMBER	SOURCE	LAUNCH	DECAY
PLEASE ADD THE FOLLOWING TO THE DECAYED OBJECTS LIST:					
1965 87A	PROTON 2	1701	USSR	2 NOV	6 FEB 66
1966 03B		1946	USSR	22 JAN	10 FEB 66
1966 06A	LUNA 9	1954	USSR	31 JAN	3 FEB 66
1966 06B		1955	USSR	31 JAN	2 FEB 66
1966 06C		1966	USSR	31 JAN	31 JAN 66
1966 10C		2005	USSR	10 FEB	12 FEB 66
1966 10D		2006	USSR	10 FEB	12 FEB 66

* APHELION PERIHELION IN ASTRONOMICAL UNITS, INCLINATION TO ECLIPTIC.
 ** TWO HUNDRED AND EIGHT METAL OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1961 OMICRON 1 AND 1961 OMICRON 2. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LISTS.
 *** ONE HUNDRED AND TWENTY TWO OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1965 20A, 1965 20B AND 1965 20C. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LISTS.
 **** TWO HUNDRED AND SIXTEEN OBJECTS HAVE BEEN IDENTIFIED AS DEBRIS ASSOCIATED WITH 1965 82A.
 ***** FOURTEEN OBJECTS HAVE BEEN IDENTIFIED AS DEBRIS ASSOCIATED WITH 1965 112A.
 \$ TRANSMITTING ON COMMAND ONLY.
 & TRANSMITTING WHEN IN SUNLIGHT ONLY.
 # NO CATALOGUE NUMBER ASSIGNED.